

Rabbit anti-Human TNNT3 Polyclonal Antibody | anti-TNNT3 antibody

Anti-TNNT3 Antibody, Rabbit Polyclonal

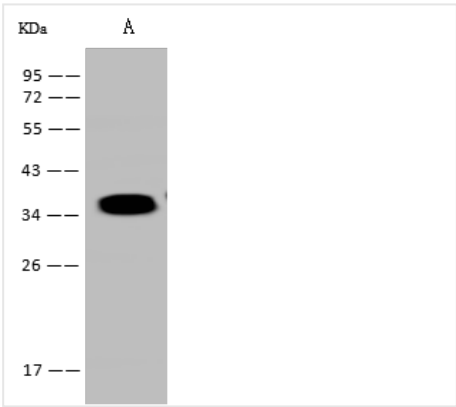
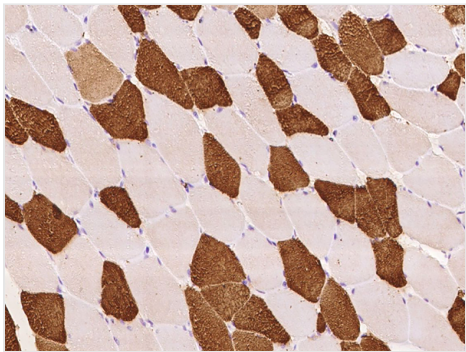
CATALOG # AAA256302	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

TNNT3; Polyclonal Antibody; Anti-TNNT3 Antibody; Rabbit Polyclonal; TNNT3 Antibody; Rabbit PAb; Antigen Affinity Purified; troponin T type 3 (skeletal; fast); Anti-TNTF Antibody; anti-TNNT3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TNNT3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TNNT3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human TNNT3 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human TNNT3 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human TNNT3 in human skeletal muscle with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

WB (Western Blot)
Anti-TNNT3 rabbit polyclonal antibody at 1:500 dilution Lane A: Mouse skeletal muscle Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 32 kDa Observed band size: 34 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TNNT3 antibody	Fast skeletal muscle troponin T (TNNT3) is an important component of the skeletal muscle contractile machinery. In humans, more than 140 different mutations within seven genes (ACTA1, TPM2, TPM3, TNNT2, TNNT1, TNNT3, and NEB) that encode thin filament proteins have been identified. The TNNT3 gene has been previously assigned to 11p15.5 suggesting that TNNT2 and TNNT3 may be closely linked. The precursor mRNA (pre-mRNA) encoding TNNT3 is alternatively spliced, and changes in the pattern of TNNT3 splice form expression are associated with alterations in thin-filament calcium sensitivity and force production during muscle contraction and thereby regulate muscle function. The TNNT3 protein is an important regulatory and structural component of thin filaments in skeletal muscle, which improves meat quality traits of livestock and poultry.
References	Ravi S, et al. (2016) Effects of age and hindlimb immobilization and remobilization on fast troponin t precursor mrna alternative splicing in rat gastrocnemius muscle. Appl Physiol Nutr Metab 41 (2): 142-149. Ochala J (2008) Thin filament proteins mutations associated with skeletal myopathies: Defective regulation of muscle contraction. J Mol Med (Berl) 86 (11): 1197-1204. Chen H, et al. (2015) Molecular cloning, structural analysis, and tissue expression of the tnnt3 gene in guizhou black goat. Gene 573 (1): 123-128. Barton PJ, et al. (1997) Localization of the fast skeletal muscle troponin i gene (tnni2) to 11p15.5: Genes for troponin i and t are organized in pairs. Ann Hum Genet 61 (Pt 6): 519-523.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.